

Viktoria Weber

List of Publications by Year in descending order

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65
papers

2,299
citations

257101

24
h-index

233125

45
g-index

66
all docs

66
docs citations

66
times ranked

3612
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation, cultivation, and characterization of human mesenchymal stem cells. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 19-31.	1.1	374
2	Monocytes, Peripheral Blood Mononuclear Cells, and THP-1 Cells Exhibit Different Cytokine Expression Patterns following Stimulation with Lipopolysaccharide. <i>Mediators of Inflammation</i> , 2013, 2013, 1-10.	1.4	202
3	Hypoxia Conditioned Mesenchymal Stem Cell-Derived Extracellular Vesicles Induce Increased Vascular Tube Formation in vitro. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 292.	2.0	129
4	Different Potential of Extracellular Vesicles to Support Thrombin Generation: Contributions of Phosphatidylserine, Tissue Factor, and Cellular Origin. <i>Scientific Reports</i> , 2017, 7, 6522.	1.6	125
5	Construction of a Functional S-Layer Fusion Protein Comprising an Immunoglobulin G-Binding Domain for Development of Specific Adsorbents for Extracorporeal Blood Purification. <i>Applied and Environmental Microbiology</i> , 2004, 70, 1514-1521.	1.4	106
6	M2 Polarization of Human Macrophages Favors Survival of the Intracellular Pathogen <i>Chlamydia pneumoniae</i> . <i>PLoS ONE</i> , 2015, 10, e0143593.	1.1	101
7	Neutral Styrene Divinylbenzene Copolymers for Adsorption of Toxins in Liver Failure. <i>Biomacromolecules</i> , 2008, 9, 1322-1328.	2.6	70
8	Enrichment of circulating tumor cells from a large blood volume using leukapheresis and elutriation: Proof of concept. <i>Cytometry Part B - Clinical Cytometry</i> , 2011, 80B, 100-111.	0.7	67
9	Removal of the Uremic Retention Solute β -Cresol Using Fractionated Plasma Separation and Adsorption. <i>Artificial Organs</i> , 2008, 32, 214-219.	1.0	60
10	Dynamic Cultivation of Mesenchymal Stem Cell Aggregates. <i>Bioengineering</i> , 2018, 5, 48.	1.6	59
11	Characterization of extracellular vesicles in whole blood: Influence of pre-analytical parameters and visualization of vesicle-cell interactions using imaging flow cytometry. <i>Biochemical and Biophysical Research Communications</i> , 2016, 478, 168-173.	1.0	57
12	Pyrogen Transfer across High- and Low-flux Hemodialysis Membranes. <i>Artificial Organs</i> , 2004, 28, 210-217.	1.0	54
13	Development of Specific Adsorbents for Human Tumor Necrosis Factor- β : Influence of Antibody Immobilization on Performance and Biocompatibility. <i>Biomacromolecules</i> , 2005, 6, 1864-1870.	2.6	47
14	Differential Interaction of Platelet-Derived Extracellular Vesicles with Leukocyte Subsets in Human Whole Blood. <i>Scientific Reports</i> , 2018, 8, 6598.	1.6	47
15	Protective effect of resin adsorption on septic plasma-induced tubular injury. <i>Critical Care</i> , 2010, 14, R4.	2.5	42
16	SUBPOL: A Novel Sucrose-Based Polymer Support for Solid-Phase Peptide Synthesis and Affinity Chromatography Applications. <i>Journal of the American Chemical Society</i> , 2003, 125, 13415-13426.	6.6	35
17	Purification and Nucleic-Acid-Binding Properties of a <i>Saccharomyces Cerevisiae</i> Protein Involved in the Control of Ploidy. <i>FEBS Journal</i> , 1997, 249, 309-317.	0.2	34
18	On-line Hemodiafiltration Does Not Induce Inflammatory Response in End-stage Renal Disease Patients: Results From a Multicenter Cross-over Study. <i>Artificial Organs</i> , 2005, 29, 406-412.	1.0	34

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19	Extracellular Vesicles Derived From Platelets, Red Blood Cells, and Monocyte-Like Cells Differ Regarding Their Ability to Induce Factor XII-Dependent Thrombin Generation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 298.	1.8	31
20	Extracellular vesicles are associated with C-reactive protein in sepsis. <i>Scientific Reports</i> , 2021, 11, 6996.	1.6	31
21	Preparation and characterization of cellulose microspheres. <i>Cellulose</i> , 2011, 18, 135-142.	2.4	30
22	Characterization and functionalization of cellulose microbeads for extracorporeal blood purification. <i>Cellulose</i> , 2011, 18, 1257-1263.	2.4	29
23	Characterization and Chondroprotective Effects of Extracellular Vesicles From Plasma- and Serum-Based Autologous Blood-Derived Products for Osteoarthritis Therapy. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 584050.	2.0	29
24	Differential Interaction of Platelet-Derived Extracellular Vesicles With Circulating Immune Cells: Roles of TAM Receptors, CD11b, and Phosphatidylserine. <i>Frontiers in Immunology</i> , 2018, 9, 2797.	2.2	27
25	Activation-Dependent Adsorption of Cytokines and Toxins Related to Liver Failure to Carbon Beads. <i>Biomacromolecules</i> , 2011, 12, 3733-3740.	2.6	26
26	Pathogen enrichment from human whole blood for the diagnosis of bloodstream infection: Prospects and limitations. <i>Diagnostic Microbiology and Infectious Disease</i> , 2019, 94, 7-14.	0.8	25
27	Heterogeneity of mesenchymal stem cell-derived extracellular vesicles is highly impacted by the tissue/cell source and culture conditions. <i>Cell and Bioscience</i> , 2022, 12, 51.	2.1	24
28	Monitoring of endothelial cell activation in experimental sepsis with a two-step cell culture model. <i>Innate Immunity</i> , 2010, 16, 278-287.	1.1	22
29	Comparative Analysis of Platelet-Derived Extracellular Vesicles Using Flow Cytometry and Nanoparticle Tracking Analysis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3839.	1.8	21
30	Development of Affinity Microparticles for Extracorporeal Blood Purification Based on Crystalline Bacterial Cell Surface Proteins. <i>Therapeutic Apheresis and Dialysis</i> , 2001, 5, 433-438.	0.4	20
31	Thrombocyte Adhesion and Release of Extracellular Microvesicles Correlate with Surface Morphology of Adsorbent Polymers for Lipid Apheresis. <i>Biomacromolecules</i> , 2014, 15, 2648-2655.	2.6	20
32	Fluidized Bed Adsorbent Systems for Extracorporeal Liver Support. <i>Therapeutic Apheresis and Dialysis</i> , 2006, 10, 154-159.	0.4	19
33	Influence of Platelet Lysate on 2D and 3D Amniotic Mesenchymal Stem Cell Cultures. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 338.	2.0	18
34	Storage of human whole blood, but not isolated monocytes, preserves the distribution of monocyte subsets. <i>Biochemical and Biophysical Research Communications</i> , 2019, 517, 709-714.	1.0	17
35	Therapeutic plasma exchange (TPE) as a plausible rescue therapy in severe vaccine-induced immune thrombotic thrombocytopenia. <i>Transfusion and Apheresis Science</i> , 2021, 60, 103174.	0.5	17
36	Macroporous Composite Cryogels with Embedded Polystyrene Divinylbenzene Microparticles for the Adsorption of Toxic Metabolites from Blood. <i>Journal of Chemistry</i> , 2013, 2013, 1-8.	0.9	15

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37	Polystyrene-Divinylbenzene-Based Adsorbents Reduce Endothelial Activation and Monocyte Adhesion Under Septic Conditions in a Pore Size-Dependent Manner. <i>Inflammation</i> , 2016, 39, 1737-1746.	1.7	15
38	Heparin-Functionalized Adsorbents Eliminate Central Effectors of Immunothrombosis, including Platelet Factor 4, High-Mobility Group Box 1 Protein and Histones. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1823.	1.8	15
39	Efficient Adsorption of Tumor Necrosis Factor with an in vitro Set-Up of the Microspheres-Based Detoxification System. <i>Blood Purification</i> , 2007, 25, 169-174.	0.9	14
40	Functionalization and Application of Cellulose Microparticles as Adsorbents in Extracorporeal Blood Purification. <i>Macromolecular Symposia</i> , 2010, 294, 90-95.	0.4	14
41	Human blood monocytes support persistence, but not replication of the intracellular pathogen <i>C. pneumoniae</i> . <i>BMC Immunology</i> , 2014, 15, 60.	0.9	13
42	Magnetic Fluorescent Microparticles as Markers for Particle Transfer in Extracorporeal Blood Purification. <i>Biomacromolecules</i> , 2007, 8, 3693-3696.	2.6	12
43	Release and cellular origin of extracellular vesicles during circulation of whole blood over adsorbent polymers for lipid apheresis. , 2017, 105, 636-646.		11
44	The Role of Ionized Calcium and Magnesium in Regional Citrate Anticoagulation and its Impact on Inflammatory Parameters. <i>International Journal of Artificial Organs</i> , 2017, 40, 15-21.	0.7	11
45	Biomimetic Principles to Develop Blood Compatible Surfaces. <i>International Journal of Artificial Organs</i> , 2017, 40, 22-30.	0.7	11
46	The impact of citrate concentration on adhesion of platelets and leukocytes to adsorbents in whole blood lipoprotein apheresis. <i>Journal of Clinical Apheresis</i> , 2017, 32, 375-383.	0.7	10
47	Influence of antibiotic treatment on the detection of <i>S. aureus</i> in whole blood following pathogen enrichment. <i>BMC Microbiology</i> , 2019, 19, 180.	1.3	10
48	Influence of hemoadsorption during cardiopulmonary bypass on blood vesicle count and function. <i>Journal of Translational Medicine</i> , 2020, 18, 202.	1.8	9
49	Effect of Anticoagulation with Citrate versus Heparin on the Adsorption of Coagulation Factors to Blood Purification Resins with Different Charge. <i>Biomacromolecules</i> , 2012, 13, 484-488.	2.6	8
50	Clearance of Selected Plasma Cytokines with Continuous Veno-Venous Hemodialysis Using Ultraflux EMiC2 versus Ultraflux AV1000S. <i>Blood Purification</i> , 2017, 44, 260-266.	0.9	8
51	Analysis of Inflammatory Mediator Profiles in Sepsis Patients Reveals That Extracellular Histones Are Strongly Elevated in Nonsurvivors. <i>Mediators of Inflammation</i> , 2021, 2021, 1-13.	1.4	8
52	In situ FTIR ATR spectroscopic study of the interaction of immobilized human tumor necrosis factor- α with a monoclonal antibody in aqueous environment. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1699, 253-261.	1.1	7
53	Adsorptive Modulation of Inflammatory Mediators Dampens Endothelial Cell Activation. <i>Blood Purification</i> , 2011, 32, 286-295.	0.9	7
54	Influence of citrate concentration on the activation of blood cells in an in vitro dialysis setup. <i>PLoS ONE</i> , 2018, 13, e0199204.	1.1	7

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55	Genomic and Phenotypic Analysis of Linezolid-Resistant <i>Staphylococcus epidermidis</i> in a Tertiary Hospital in Innsbruck, Austria. <i>Microorganisms</i> , 2021, 9, 1023.	1.6	7
56	Adsorption of the Inflammatory Mediator High-Mobility Group Box 1 by Polymers with Different Charge and Porosity. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	6
57	A high leukocyte count and administration of hydrocortisone hamper PCR-based diagnostics for bloodstream infections. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2021, 40, 1441-1449.	1.3	6
58	In Memoriam Dieter Falkenhagen (1942â€“2015): Pioneer, Enthusiast, Visionary. <i>International Journal of Artificial Organs</i> , 2015, 38, 615-616.	0.7	5
59	Performance of lateral flow assays for SARS-CoV-2 compared to RT-qPCR. <i>Journal of Infection</i> , 2022, 84, 579-613.	1.7	5
60	Mechanisms of Endothelial Activation in Sepsis and Cell Culture Models to Study the Heterogeneous Host Response. <i>International Journal of Artificial Organs</i> , 2017, 40, 9-14.	0.7	4
61	Nano electrospray differential mobility analysis based size-selection of liposomes and very-low density lipoprotein particles for offline hyphenation to MALDI mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 179, 112998.	1.4	4
62	Desialylation of platelet surface glycans enhances platelet adhesion to adsorbent polymers for lipoprotein apheresis. <i>International Journal of Artificial Organs</i> , 2021, 44, 378-384.	0.7	3
63	State of the Art of Chemosensors in a Biomedical Context. <i>Chemosensors</i> , 2022, 10, 199.	1.8	3
64	A possible role of gas-phase electrophoretic mobility molecular analysis (nES GEMMA) in extracellular vesicle research. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7341-7352.	1.9	2
65	Materials, Surfaces, and Systems for Extracorporeal Therapies and Beyond. <i>International Journal of Artificial Organs</i> , 2017, 40, 1-3.	0.7	0